Claims

1. Heat shield arrangement (26) for a component guiding a hot gas (M), comprising a number of heat shield elements (26A, 26B) disposed next to each other on a supporting structure (31) with gaps (45) in between. A heat shield element (26A, 26B) can be mounted on the supporting structure (31) such that an internal space (37) is formed, which is delimited in areas by a hot gas wall (39) to be cooled, with an inlet channel (41) for admitting a coolant (K) into the internal space (37), characterized in that a coolant discharge channel (43) is provided for the controlled discharge of coolant (K) from the internal space (37), said channel discharging from the internal space (37) into the gap (45).

2. Heat shield arrangement (26) according to claim 1, characterized in that the heat shield element (26A, 26B) has a side wall (49), which is inclined in the direction of the supporting structure (31) in relation to the hot gas wall (39).

3. Heat shield arrangement (26) according to claim 2, characterized in that the coolant discharge channel (43) penetrates the side wall (49).

4. Heat shield arrangement (26) according to claim 2 or 3, characterized in that to prevent residual coolant leaks from the internal space (37), a sealing element (51) is fitted between the side wall (49) and the supporting structure (31).

5. Heat shield arrangement (26) according to one of the preceding claims,
characterized in that an impact cooling mechanism (53) is assigned to the internal space (37) of a heat shield element

(26A, 26B), such that the hot gas wall (39) can be cooled by means of impact cooling.

6. Heat shield arrangement (26) according to claim 5, characterized in that the impact cooling mechanism (53) is formed by a number of inlet channels (41, 41A, 41B, 41C) for coolant (K), which are integrated in the supporting structure (31).

7. Heat shield arrangement (26) according to one of the preceding claims,
characterized in that the heat shield element (26A, 26B) is made of a metal or a metal alloy.

8. Combustion chamber (4) with a heat shield arrangement (26) according to one of the preceding claims.

9. Gas turbine (1) with a combustion chamber (4) according to claim 8.